

Attorney Docket No.: DRE0166US
Inventors: Ko et al.
Serial No.: 10/577,709
Filing Date: August 18, 2006
Page 5

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1 (original): A synthetic fibril comprising carbon nanotube and spider silk or silkworm silk.

Claim 2 (original): A method for producing the synthetic fibril of claim 1 comprising electrospinning carbon nanotube with spider silk or silkworm silk into single fibrils.

Claim 3 (original): A biomedical device comprising the synthetic fibril of claim 1.

Claim 4 (original): A blast or ballistic protection device comprising the synthetic fibril of claim 1.

Claim 5 (original): An electroconducting fiber comprising the fibril of claim 1.

Claim 6 (new): A synthetic fibril comprising about 1% to about 10% by weight carbon nanotube and spider silk or silkworm silk electrospun from a silk solution comprising

Attorney Docket No.: **DRE0166US**
Inventors: **Ko et al.**
Serial No.: **10/577,709**
Filing Date: **August 18, 2006**
Page 6

approximately 8% to about 20% by weight of the spider silk or silkworm silk.

Claim 7 (new): A biomedical device comprising the synthetic fibril of claim 6.

Claim 8 (new): A blast or ballistic protection device comprising the synthetic fibril of claim 6.

Claim 9 (new): An electroconducting fiber comprising the fibril of claim 6.

Claim 10 (new): A synthetic fibril comprising carbon nanotubes treated with a surfactant or a dispersion agent and spider silk or silkworm silk.

Claim 11 (new): A biomedical device comprising the synthetic fibril of claim 10.

Claim 12 (new): A blast or ballistic protection device comprising the synthetic fibril of claim 10.

Attorney Docket No.: **DRE0166US**
Inventors: **Ko et al.**
Serial No.: **10/577,709**
Filing Date: **August 18, 2006**
Page 7

Claim 13 (new): An electroconducting fiber comprising
the fibril of claim 10.